

The Valspar Corporation

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product ID: 027.0003589
Product Name: MARINE A F RED COPPR
Product Use: Paint product.
Date Published: 2003/10/15
Revision Date: 2001/12/01

Company Identification

The Valspar Corporation - Architectural Coatings Division
1191 Wheeling Road
Wheeling, IL 60090
Manufacturer's Phone: 1-847-520-8580

24-Hour Medical Emergency Phone: 1-888-345-5732

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Common Name CAS # | Approx Wt% | Chemical name |
|---------------------------------------|---------------|---|
| CUPROUS OXIDE PIGMENT 1317-39-1 | 20 - 25 | Copper(+1) oxide |
| TALC 14807-96-6 | 15 - 20 | TALC (MG3H2(SI03)4) |
| MINERAL SPIRITS 8032-32-4 | 10 - 15 | Ligroine |
| MINERAL SPIRITS 64742-47-8 | 5 - 10 | Petroleum distillates, hydrotreated light |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | PROPRIETARY PIGMENT |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | PROPRIETARY PIGMENT |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | QUARTZ (Si02) |

If this section is blank there are no hazardous components per OSHA guidelines.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Emergency Overview:

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This section not in use.

This product contains ingredients that may contribute to the following potential acute health effects:

Inhalation Effects:

Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

Eye Contact:

May cause moderate eye irritation.

Skin Contact:

May cause moderate skin irritation.

Acute Ingestion:

None known

Other Effects:

None known

This product contains ingredients that may contribute to the following potential chronic health effects:

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

4. FIRST AID MEASURES

Inhalation:

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:

If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

| | |
|---------------------------|--------------------------|
| Flash point (Fahrenheit): | 102° F (39° C) TCC/PM |
| Lower explosive limit: | 1 % |
| Upper explosive limit: | 6 % |
| Autoignition temperature: | Not available.° F (° C) |
| Sensitivity to impact: | No. |

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Sensitivity to static discharge:
grounding information in Section 7.
Hazardous combustion products:

Can be sensitive to static discharge hazards. Please see bonding and

See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Use water spray to cool nearby containers and structures exposed to fire. Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

Skin protection:

Appropriate chemical resistant gloves should be worn. To prevent skin contact wear protective clothing covering all exposed areas.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

| Common Name CAS # | Approx Wt% | TWA (final) | Ceilings limits (final) | Skin designations |
|---------------------------------------|---------------|---------------|-------------------------|-------------------|
| TALC 14807-96-6 | 15 - 20 | see Table Z-3 | | |
| MINERAL SPIRITS 8032-32-4 | 10 - 15 | 300 PPM | | |
| MINERAL SPIRITS 64742-47-8 | 5 - 10 | 100 PPM | | |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | 10 mg/m3 TWA | | |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | 10 MG/M3 | | |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | see Table Z-3 | | |

ACGIH Threshold Limit Value (TLV's)

| Common Name CAS # | Approx Wt% | TWA | STEL | Ceiling limits | Skin designations |
|---------------------------------------|---------------|--|------|----------------|----------------------|
| TALC 14807-96-6 | 15 - 20 | 2 mg/m3 TWA (this TLV is for the respirable fraction of dust for Talc containing no asbestos and <1% crystalline silica) | | | |
| MINERAL SPIRITS 8032-32-4 | 10 - 15 | 300 ppm TWA | | | |
| MINERAL SPIRITS 64742-47-8 | 5 - 10 | 100 PPM | | | |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | 5 mg/m3 TWA (welding fumes, dust, total particulate as Fe) | | | |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | 5 MG/M3 | | | |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | 0.05 mg/m3 TWA (this TLV is for the respirable fraction of dust) | | | |

If this section is blank, no information is available.

9. PHYSICAL PROPERTIES

| | |
|----------------------------|-------------------------------|
| Odor: | Normal for this product type. |
| Physical State: | Liquid |
| pH: | Not determined. |
| Vapor pressure: | 2 mmHG @ 68° F (20° C) |
| Vapor density (air = 1.0): | 5.1 |

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Boiling point: 300° F (149° C)
Solubility in water: Insoluble.
Coefficient of water/oil distribution: Not determined.
Density (weight per gallon): 12.026
Specific gravity (water = 1): 1.44
Evaporation rate (butyl acetate = 1.0): 0.1

10. STABILITY AND REACTIVITY

Stability: This product is stable.
Conditions to Avoid: None known.
Incompatibility: Strong oxidizers.
Hazardous Polymerization: None anticipated.
Hazardous Decomposition Products: Silicon dioxide. Carbon monoxide and carbon dioxide. Metal oxide fumes.

Sensitivity to static discharge: Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

Contains crystalline silica. The IARC has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (group 1). Refer to IARC monograph 68 in conjunction with the use of these materials. Risk of cancer depends on the duration and level of exposure. In coatings products, risk is due primarily to inhalation of sanding dusts or respirable particles in spray mists. The NTP has also determined that crystalline silica is a known human carcinogen in the form of fine, breathable particles. Risk of cancer depends on duration and level of exposure in coatings products, risk is due primarily to inhalation of sanding dust or respirable particles in spray mist.

| Common Name CAS # | Approx Wt% | IARC Group 1 - Human Evidence | IARC Group 2A - limited human data | IARC Group 2b - sufficient animal data |
|----------------------------------|---------------|---|---------------------------------------|---|
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | Monograph 68, 1997; (inhaled in the form of quartz or cristobalite from occupational sources) | | |

| Common Name CAS # | Approx Wt% | NTP Known carcinogens | NTP Suspect carcinogens | NTP Evidence of carcinogenicity |
|----------------------------------|---------------|--------------------------|----------------------------|---|
| TALC 14807-96-6 | 15 - 20 | | | male rat-some evidence; female rat- clear evidence; male mice-no evidence; female mice-no evidence |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | Known Carcinogen | | |

| Common Name CAS # | Approx Wt% | OSHA Select carcinogens | OSHA Possible select carcinogens | ACGIH Carcinogens |
|----------------------------------|---------------|----------------------------|-------------------------------------|------------------------------------|
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | | | A2 - Suspected Human Carcinogen |

If this section is blank, no information is available.

12. ECOLOGICAL DATA

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Not available at this time.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT Information

CONTACT SUPPLIER FOR FURTHER INFORMATION.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

| Common Name CAS # | Approx Wt% | SARA 302 | SARA 313 | CERCLA RQ IN LBS. |
|---------------------------------------|---------------|----------|----------|-------------------|
| CUPROUS OXIDE PIGMENT 1317-39-1 | 20 - 25 | | YES | |
| TALC 14807-96-6 | 15 - 20 | | | |
| MINERAL SPIRITS 8032-32-4 | 10 - 15 | | | |
| MINERAL SPIRITS 64742-47-8 | 5 - 10 | | | |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | | | |
| Trade Secret : PROPRIETARY PIGMENT | 1 - 5 | | | |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | | | |

SARA 311/312 Hazard Class:

Acute: Yes
Chronic: Yes
Flammability: Yes
Reactivity: No
Sudden Pressure: No

U.S. STATE REGULATIONS:

Pennsylvania Right To Know:

| | |
|-----------------------|--------------|
| MINERAL SPIRITS | 64742-47-8 |
| CUPROUS OXIDE PIGMENT | 1317-39-1 |
| MINERAL SPIRITS | 8032-32-4 |
| TALC | 14807-96-6 |
| PROPRIETARY PIGMENT | Trade Secret |
| PROPRIETARY PIGMENT | Trade Secret |

Additional Non-Hazardous Materials

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PROPRIETARY RESIN
PROPRIETARY RESIN

Trade Secret
Trade Secret

California Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

Rule 66 status of product Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

Abbreviations: OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer: The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.